

Narcan Distribution in Powell WY

Matthew Rasmussen | RUOP III | 2024 | UW School of Medicine



Hypothesis

- Narcan distribution in other areas of the U.S. has decreased the number of deaths related to opioid overdose and may do the same in Powell, WY.



Powell Wyoming with Heart Mountain in background

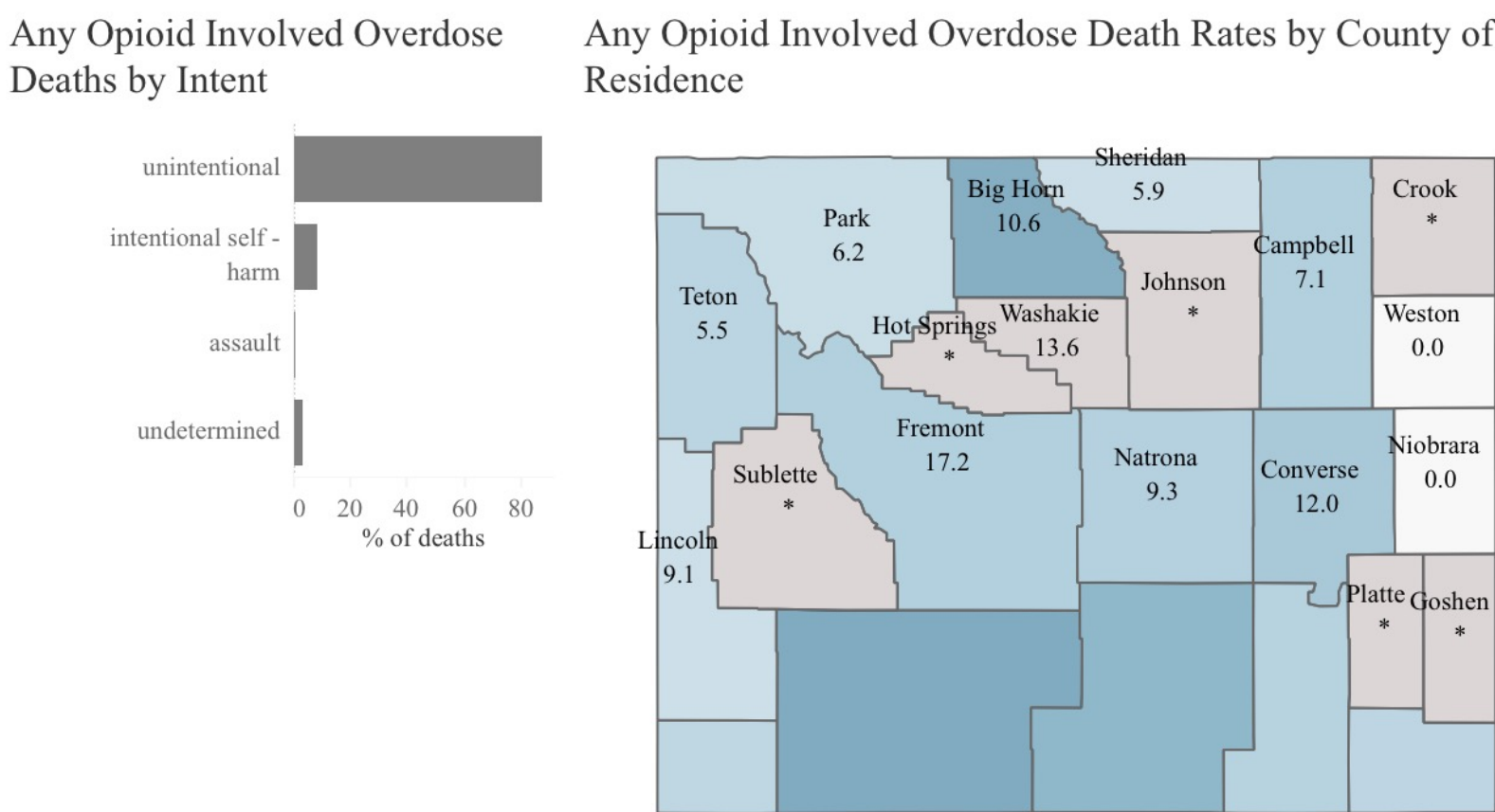
Background

- Powell has a population of 6,419
- In 2021, there were 106 opioid overdose-related deaths in the state of Wyoming
- Synthetic fentanyl use increased 7.5 fold from 2015 to 2022

Literature Review

- In other U.S cities implementing opioid overdose trainings and distributing Narcan was associated with a 27% reduction in opioid-overdose related deaths
- The passage of naloxone access laws increased naloxone availability and reduced opioid related overdoses by 9-14%

Opioid Overdose Death Rate by County



Source: health.wyo.gov

Deliverables to Community

- Working with the Powell Valley Hospital and local EMS coordinator a training on Narcan distribution was developed and presented at the Park County Fair.
- 40 units of Narcan were obtained and one unit was distributed to each individual that completed the training
- The presentation utilized slides developed by Cheyenne Regional Medical Center employees, and included local statistics on opioid overdose.
- The main objective was to communicate how to recognize an opioid overdose and properly administer Narcan nasal spray.

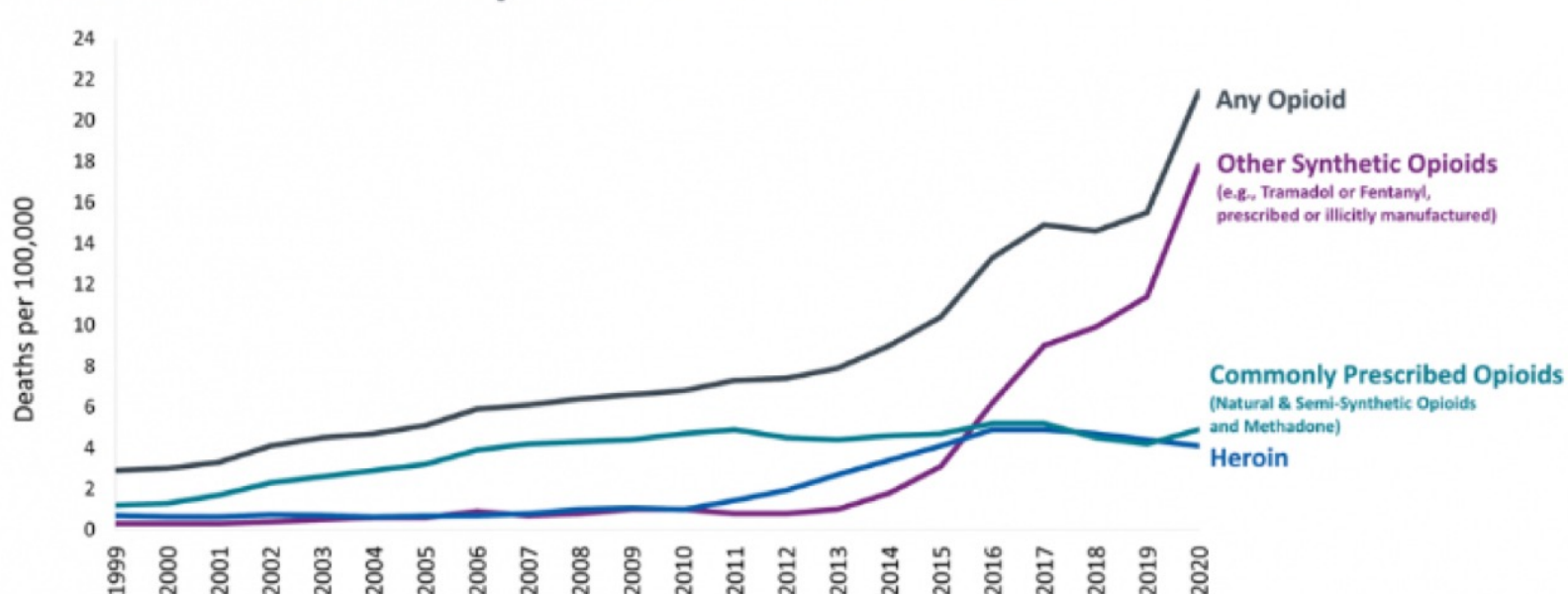


Scan me!

Next Steps

- Details of Distribution Plan:
 - The target audience was any individual that uses any form of opioid or is around others that use opioids.
- Many of the individuals contacted at the county fair were unaware of the benefits of Narcan. Others were aware and demonstrated support of the project.
- The Narcan units that were not distributed at the fair went to a local pharmacy to be distributed at the pharmacist's discretion.

Three Waves of Opioid Overdose Deaths



Source: National Vital Statistics System mortality file